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ABSTRACT

This curriculum guide for shoe and boot repair was developed by the state of Mississippi to standardize vocational education course titles and core contents. The objectives contained in this document are common to all shoe and boot repair programs in the state. The guide contains objectives for shoe and boot repair I and II courses. Units in course I cover the following topics: introduction and orientation; information common to all types of shoe repair; common types of shoe construction; the care of shoes and boots; tools and their uses; nails and threads; leather; repairing shoe and boot heels; resoling operations; miscellaneous repairs; operation and maintenance of shoe machinery; shoe alterations; and shoe and boot repair as a business. Unit II takes up the first 11 topics of Unit I, at a more advanced level. Each unit consists of these components: objectives with core/essential objectives indicated; suggested instructional practices; list of suggested resources; list of evaluation and suggested minimum performance standards, with core/essential objectives indicated; and performance record, with core/essential objectives indicated. A checklist for each course combining all unit performance standards into a single list is included. (KC)

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STANDARDIZED CURRICULUM

FOR

SHOE AND BOOT REPAIR

MISSISSIPPI DEPARTMENT OF EDUCATION

OFFICE OF VOCATIONAL, TECHNICAL

AND ADULT EDUCATION

June 1989

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1989

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FOREWORD

This volume is intended to be used in the State of Mississippi as a mechanism for standardizing vocational education course titles and core contents. The need for standardization of curricula was triggered by provisions in the Educational Reform Act of 1982 which mandated:

- -- elimination of nearly all currently existing curriculum requirements and development of new curriculum content that is "properly sequenced" and "coordinated";
- -- steps to ensure that students master one level of course work before being advanced to the next level and that progression is properly sequenced;
- -- a criterion-referenced, state-wide testing program that is built upon an identified set of "basic skills" keyed to student performance in grades 3, 5, 8, and 11;
- -- revised graduation requirements that take into account student performance on the basic skills and also on a test of "functional literacy skills"; and
- -- a system of accrediting schools that takes into account the performance of districts, schools, and students.

In addition to the mandates of the Educational Reform Act, the Strategic Plan for Vocational and Technical Education in Mississippi also calls for improving the quality of vocational and technical education through the standardization of curricula and the articulation of secondary and postsecondary programs.

Both of these mandates were further reinforced by legislation passed in 1986 which called for the establishment of state-wide "guidelines and procedures for managing an instructional program in the public schools." This legislation calls for instructional management plans containing the following components:

1. a written list of learning objectives for every course for which academic credit is given on students' transcripts (state specified core objectives must be included);
2. <u>suggested</u> instructional practices and resources for the learning objectives;
3. standards for student performance for each learning objective; and
4. systematic procedures for evaluating student performance on the learning objectives.

Specific local district actions regarding the state-wide instructional management plan are also required, namely:

1. The objectives contained in this document are common to all programs in the state. Core objectives are designated with an asterisk. The local district is encouraged to add additional objectives to this listing to meet local needs of students and employers.

2. The local school board must officially adopt the learning objectives as the district's curricula.

3. Pass/fail policies must be based on mastery of learning objectives.

4. Student performance on the learning objectives must be systematically evaluated at least once during the school year.

5. During the school year, records of individual student performance must indicate whether or not the objectives have been mastered. The record must indicate mastery status for each of the objectives tested in the Basic Skills Assessment Program (including functional literacy skills) and must be permanently maintained on all students who do <u>not</u> master the basic and functional literacy skills prior to being tested on them.

6. Each year, information about student performance on learning objectives must be reviewed. Those objectives which students are not mastering must be identified, and a plan must be developed for improving student performance on those objectives.

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SHOE AND BOOT REPAIR I

Developed by

Carey Chambliss, Mississippi Department of Youth Services
William Dennis, Amanda Elzy High School

SHOE AND BOOT REPAIR I

Unit No.	Title
1	Introduction and Orientation
2	Information Common to All Types of Shoe Repair
3	Common Types of Shoe Construction
4	The Care of Shoes and Boots
5	Tools and Their Uses
6	Nails and Threads
7	Leather
8	Repairing Shoe and Boot Heels
9	Resoling Operations
10	Miscellaneous Repairs
11	Operation and Maintenance of Shoe Machinery
12	Shoe Alterations
13	The Shoe/Boot Repairman as a Businessman

COURSE: Shoe and Boot Repair I

Unit 1: Introduction and Orientation

Objectives: Upon completion of this unit, the student will:

*1. Describe personal characteristics of the shoe and boot repair person which are important.
*2. List general safety rules to practice with shoe and boot repair.
3. Define terms associated with shoe and boot repair.
*4. Demonstrate proper use of eye protection while in the shop area.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will describe two personal characteristics of the shoe and boot repair person which are important according to the instructor.
*Objective 2: The student will list ten general safety rules to practice with shoe and boot repair.
Objective 3: The student will define twenty terms associated with shoe and boot repair.
*Objective 4: The student will demonstrate proper use of eye protection while in the shop area.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Described personal characteristics of the shoe and boot repair person which are important.

___*2. Listed general safety rules to practice with shoe and boot repair.
___ 3. Defined terms associated with shoe and boot repair.
___*4. Demonstrated proper use of eye protection while in the shop area.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 2: Information Common to All Types of Shoe Repair

Objectives: Upon completion of this unit, the student will:

*1. Name types of lasts common to all shoe repair.
*2. List ways shoes are sized.
*3. Name parts of the upper.
4. List styles of the upper.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will name two types of lasts common to all shoe repair.
*Objective 2: The student will list three ways shoes are sized.
*Objective 3: The student will name six parts of the upper.
Objective 4: The student will list four styles of the upper.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Named types of lasts common to all shoe repair.
___*2. Listed ways shoes are sized.
___*3. Named parts of the upper.
___ 4. Listed styles of the upper.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 3: Common Types of Shoe Construction

Objectives: Upon completion of this unit, the student will:

*1. Name parts of shoes.
*2. List types of shoes.
3. Describe types of stitchdown shoes.
4. Describe types of moccasin shoes.
*5. Describe styles of shoes.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will name six parts of shoes.
*Objective 2: The student will list ten types of shoes.
Objective 3: The student will describe two types of stitchdown shoes.
Objective 4: The student will describe two types of moccasin shoes.
*Objective 5: The student will describe four styles of shoes.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Named parts of shoes.
____*2. Listed types of shoes.
____ 3. Described types of stitchdown shoes.
____ 4. Described types of moccasin shoes.
____*5. Described styles of shoes.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 4: The Care of Shoes and Boots

Objectives: Upon completion of this unit, the student will:

1. Explain proper daily care of shoes and boots.
*2. Demonstrate polishing methods.
*3. List steps to follow when dying shoes and boots.
*4. Oil shoes and boots.
5. List types of materials of which shoes and boots are made.
*6. Demonstrate proper cleaning practices to follow with each type of shoe material.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will explain proper daily care of shoes and boots.
*Objective 2: The student will demonstrate three polishing methods.
*Objective 3: The student will list five steps to follow when dying shoes and boots.
*Objective 4: The student will oil a pair of shoes and boots as prescribed by the instructor.
Objective 5: The student will list four types of materials of which shoes and boots are made.
*Objective 6: The student will demonstrate proper cleaning practices to follow with each type of shoe material.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____ 1. Explained proper daily care of shoes and boots.
____ *2. Demonstrated polishing methods.
____ *3. Listed steps to follow when dying shoes and boots.
____ *4. Oiled shoes and boots.
____ 5. Listed types of materials of which shoes and boots are made.
____ *6. Demonstrated proper cleaning practices to follow with each type of shoe material.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 5: Tools and Their Uses

Objectives: Upon completion of this unit, the student will:

1. List reasons an assortment of knives is necessary.
*2. Demonstrate proper care for knives.
*3. Name knives commonly used in shoe repair.
*4. Explain uses of knives in shoe repair.
*5. State differences in cutters and nippers.
*6. Demonstrate proper uses of a fudge wheel.
7. Describe the hammer which is best suited for general purposes.
8. Explain uses of a sewing awl.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will list three reasons an assortment of knives is necessary.
*Objective 2: The student will demonstrate proper care for knives.
*Objective 3: The student will name five knives commonly used in shoe repair.
*Objective 4: The student will explain five uses of knives in shoe repair.
*Objective 5: The student will state three differences in cutters and nippers.
*Objective 6: The student will demonstrate two proper uses of a fudge wheel.
Objective 7: The student will describe the hammer which is best suited for general purposes.
Objective 8: The student will explain two uses of a sewing awl.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____ 1. Listed reasons an assortment of knives is necessary.
____ *2. Demonstrated proper care for knives.
____ *3. Named knives commonly used in shoe repair.
____ *4. Explained uses of knives in shoe repair.
____ *5. Stated differences in cutters and nippers.
____ *6. Demonstrated proper uses of a fudge wheel.
____ 7. Described the hammer which is best suited for general purposes.
____ 8. Explained uses of a sewing awl.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 6: Nails and Threads

Objectives: Upon completion of this unit, the student will be able to:

*1. State types of nails used in shoe and boot repair.
*2. List uses of nails.
3. Describe necessary qualities of shoe threads.
*4. Name the main types of threads.
5. List difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will state four types of nails used in shoe and boot repair.
*Objective 2: The student will list four uses of nails.
Objective 3: The student will describe three necessary qualities of shoe threads.
*Objective 4: The student will name the three main types of threads.
Objective 5: The student will list three difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Stated types of nails used in shoe and boot repair.
___*2. Listed uses of nails.
___ 3. Described necessary qualities of shoe threads.

___*4. Named the main types of threads.
___ 5. Listed difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 7: Leather

Objectives: Upon completion of this unit, the student will:

*1. List steps in preparing hides for tanning.
2. List uses of split layers of leather.
*3. State terms used to identify types of leather.
*4. Identify grades of leather.
5. State reasons for using chrome-tanned leather for uppers.
*6. List parts of the shoe and state type of leather which is best suited for each part.
7. Describe uses of sheepskin.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Classroom demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will list five steps in preparing hides for tanning.
Objective 2: The student will list two uses of split layers of leather.
*Objective 3: The student will state two terms used to identify types of leather.
*Objective 4: The student will identify four grades of leather.
Objective 5: The student will state three reasons for using chrome-tanned leather for uppers.
*Objective 6: The student will list five parts of the shoe and state type of leather which is best suited for each part.
Objective 7: The student will describe three uses of sheepskin.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Listed steps in preparing hides for tanning.
____ 2. Listed uses of split layers of leather.
____*3. Stated terms used to identify types of leather.
____*4. Identified grades of leather.
____ 5. Stated reasons for using chrome-tanned leather for uppers.
____*6. Listed parts of the shoe and stated type of leather which is best suited for each part.
____ 7. Described the uses of sheepskin.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 8: Repairing Shoe and Boot Heels

Objectives: Upon completion of this unit, the student will:

*1. Identify types of heels.
*2. Describe parts of heels.
3. Explain dimensions used to size heels.
*4. Demonstrate steps to follow when replacing women's heels.
*5. Demonstrate steps to follow when replacing men's heels.
*6. Describe steps to follow when finishing heels.
7. List difficulties most often encountered when replacing heels.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will identify five types of heels.
*Objective 2: The student will describe three parts of heels.
Objective 3: The student will explain three dimensions used to size heels.
*Objective 4: The student will demonstrate five steps to follow when replacing women's heels.
*Objective 5: The student will demonstrate three steps to follow when replacing men's heels.
*Objective 6: The student will describe three steps to follow when finishing heels.
Objective 7: The student will list three difficulties most often encountered when replacing heels.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Identified types of heels.
____*2. Described parts of heels.
____ 3. Explained methods used to size heels.
____*4. Demonstrated steps to follow when replacing women's heels.
____*5. Demonstrated steps to follow when replacing men's heels.
____*6. Described steps to follow when finishing heels.
____ 7. Listed difficulties most often encountered when replacing heels.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 9: Resoling Operations

Objectives: Upon completion of this unit, the student will:

*1. Describe half soles.
*2. Describe full soles.
*3. List factors to consider when choosing material for a new sole.
*4. Demonstrate steps to follow when removing old sole.
5. State how length of sole is determined.
*6. Describe how sole angle is determined.
7. List worn parts which may be repaired.
*8. Demonstrate methods of attaching soles.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will describe half soles.
*Objective 2: The student will describe full soles.
*Objective 3: The student will list three factors to consider when choosing material for a new sole.
*Objective 4: The student will demonstrate five steps to follow when removing old sole.
Objective 5: The student will state how length of sole is determined.
*Objective 6: The student will describe how sole angle is determined.
Objective 7: The student will list six worn parts which may be repaired.
*Objective 8: The student will demonstrate two methods of attaching soles.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Described half soles.
____*2. Described full soles.
____*3. Listed factors to consider when choosing material for a new sole.
____*4. Demonstrated steps to follow when removing old sole.
____ 5. Stated how length of sole is determined.
____*6. Described how sole angle is determined.
____ 7. Listed worn parts which may be repaired.
____*8. Demonstrated methods of attaching soles.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 10: Miscellaneous Repairs

Objectives: Upon completion of this unit, the student will:

*1. Demonstrate steps to follow when lining heels.
*2. Name types of patches.
*3. Demonstrate steps to follow when sewing rips.
*4. Describe ways in which shoes may be stretched.
5. Describe technique of removing squeaks from shoes.
*6. List types of heel plates.
7. Demonstrate steps to follow when applying surface plates.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will demonstrate five steps to follow when lining heels.
*Objective 2: The student will name two types of patches.
*Objective 3: The student will demonstrate six steps to follow when sewing rips.
*Objective 4: The student will describe two ways in which shoes may be stretched.
Objective 5: The student will describe technique of removing squeaks from shoes.
*Objective 6: The student will list three types of heel plates.
Objective 7: The student will demonstrate four steps to follow when applying surface plates.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Demonstrated steps to follow when lining heels.
____*2. Named types of patches.
____*3. Demonstrated steps to follow when sewing rips.
____*4. Described ways in which shoes may be stretched.
____ 5. Described technique of removing squeaks from shoes.
____*6. Listed types of heel plates.
____ 7. Demonstrated steps to follow when applying surface plates.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 11: Operation and Maintenance of Shoe Machinery

Objectives: Upon completion of this unit, the student will:

*1. List uses of curved-needle machine.
*2. Thread the patching machine.
3. State the direction in which the patching machine sews.
*4. Identify causes of broken needles.
*5. Describe uses of bench machines.
6. Reload the metallic fastener machine with wire.
*7. Identify causes of broken thread.
*8. Demonstrate safety rules to follow when operating the finishing machine.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will list three uses of curved-needle machine.
*Objective 2: The student will thread the patching machine according to industry standards.
Objective 3: The student will state the direction in which the patching machine sews.
*Objective 4: The student will identify three causes of broken needles.
*Objective 5: The student will describe four uses of bench machines.
Objective 6: The student will reload the metallic fastener machine with wire according to industry standards.
*Objective 7: The student will identify four causes of broken thread.

*Objective 8: The student will demonstrate six safety rules to follow when operating the finishing machine.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Listed uses of curved-needle machine.
____*2. Threaded the patching machine.
____ 3. Stated the direction in which the patching machine sews.
____*4. Identified causes of broken needles.
____*5. Described uses of bench machines.
____ 6. Reloaded the metallic fastener machine with wire.
____*7. Identified causes of broken thread.
____*8. Demonstrated safety rules to follow when operating the finishing machine.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 12: Shoe Alterations

Objectives: Upon completion of this unit, the student will:

1. Name bones in the foot.
*2. Name areas of foot mesurement.
*3. Describe foot irregularities.
*4. Identify type of shoe alteration needed for each type of foot irregularity.
5. Identify who should decide whether a shoe alteration is needed.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Classroom demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will name ten bones in the foot.
*Objective 2: The student will name five areas of foot mesurement.
*Objective 3: The student will describe four foot irregularities.
*Objective 4: The student will identify type of shoe alteration needed for each type of foot irregularity.
Objective 5. The student will identify who should decide whether a shoe alteration is needed.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____ 1. Named bones in the foot.
____ *2. Named areas of foot mesurement.
____ *3. Described foot irregularities.

____*4. Identified type of shoe alteration needed for each type of foot irregularity.

____ 5. Identified who should decide whether a shoe alteration is needed.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair I

Unit 13: The Shoe/Boot Repairman as a Businessman

Objectives: Upon completion of this unit, the student will:

*1. List factors of success in the shoe repair business.
2. State appropriate shop hours.
*3. Identify proper method for receiving shoes.
*4. Describe desirable personality traits of the successful shoe repairperson.
*5. List reasons for shop cleanliness.
6. Describe appropriate ways of competing with competitors.
*7. List reasons for thorough bookkeeping practices.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Classroom demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will list five factors of success in the shoe repair business.
Objective 2: The student will state appropriate shop hours.
*Objective 3: The student will identify proper method for receiving shoes.
*Objective 4: The student will describe three desirable personality traits of the successful shoe repairperson.
*Objective 5: The student will list four reasons for shop cleanliness.
Objective 6: The student will describe appropriate ways of competing with competitors.
*Objective 7: The student will list four reasons for thorough bookkeeping practices.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Listed factors of success in the shoe repair business.
____ 2. Stated appropriate shop hours.
____*3. Identified proper method for receiving shoes.
____*4. Described desirable personality traits of the successful shoe repairperson.
____*5. Listed reasons for shop cleanliness.
____ 6. Described appropriate ways of competing with competitors.
____*7. Listed reasons for thorough bookkeeping practices.

*Indicates core/essential objectives

SHOE AND BOOT REPAIR II

Developed by

Carey Chambliss, Mississippi Department of Youth Services
William Dennis, Amanda Elzy High School

SHOE AND BOOT REPAIR II

Unit No.	Title
1	Introduction and Orientation
2	Information Common to All Types of Shoe Repair
3	Common Types of Shoe Construction
4	The Care of Shoes and boots
5	Tools and Their Uses
6	Nails and Threads
7	Leather
8	Repairing Shoe and Boot Heels
9	Resoling Operations
10	Final Resoling Operations and Finishing
11	Operation and Maintenance of Shoe Machinery

COURSE: Shoe and Boot Repair II

Unit 1: Introduction and Orientation

Objectives: Upon completion of this unit, the student will:

*1. State major historical events related to shoe and boot repair.
*2. Demonstrate general safety rules to practice with shoe and boot repair.
3. Define terms associated with shoe and boot repair.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will state twenty major historical events related to shoe and boot repair.
*Objective 2: The student will demonstrate general safety rules to practice with shoe and boot repair.
Objective 3: The student will define fifty terms associated with shoe and boot repair.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Stated major historical events related to shoe and boot repair.

____*2. Demonstrated general safety rules to practice with shoe and boot repair.
____ 3. Defined terms associated with shoe and boot repair.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 2: Information Common to All Types of Shoe Repair

Objectives: Upon completion of this unit, the student will:

1. Name types of lasts common to all shoe repair.
*2. Demonstrate ways shoes are sized.
*3. Name parts of the upper.
*4. List styles of the upper.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will name two types of lasts common to all shoe repair.
*Objective 2: The student will demonstrate three ways shoes are sized.
*Objective 3: The student will name six parts of the upper.
*Objective 4: The student will list six styles of the upper.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___ 1. Named types of lasts common to all shoe repair.
___*2. Demonstrated ways shoes are sized.
___*3. Named parts of the upper.
___*4. Listed styles of the upper.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 3: Common Types of Shoe Construction

Objectives: Upon completion of this unit, the student will:

*1. Name parts of boots.
*2. List types of boots.
3. Identify types of stitchdown shoes.
4. Describe types of moccasin shoes.
*5. Describe styles of boots.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Classroom demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will name six parts of boots.
*Objective 2: The student will list ten types of boots.
Objective 3: The student will identify two types of stitchdown shoes.
Objective 4: The student will describe two types of moccasin shoes.
*Objective 5: The student will describe four styles of boots.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Named parts of boots.
____*2. Listed types of boots.
____ 3. Identified types of stitchdown shoes.
____ 4. Described types of moccasin shoes.
____*5. Described styles of boots.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 4: The Care of Shoes and Boots

Objectives: Upon completion of this unit, the student will:

1. Explain proper daily care of shoes and boots.
*2. Demonstrate polishing methods.
*3. Demonstrate steps to follow when dying shoes and boots.
*4. List steps to follow when oiling shoes and boots.
5. List types of materials of which shoes and boots are made.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will explain proper daily care of shoes and boots.
*Objective 2: The student will demonstrate three polishing methods.
*Objective 3: The student will demonstrate five steps to follow when dying shoes and boots.
*Objective 4: The student will list four steps to follow when oiling shoes and boots.
Objective 5: The student will list four types of materials of which shoes and boots are made.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___ 1. Explained proper daily care of shoes and boots.
___ *2. Demonstrated polishing methods.
___ *3. Demonstrated steps to follow when dying shoes and boots.

___*4. Listed steps to follow when oiling shoes and boots.
___ 5. Listed types of materials of which shoes and boots are made.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 5: Tools and Their Uses

Objectives: Upon completion of this unit, the student will:

1. List reasons an assortment of knives is necessary.
*2. Demonstrate proper care for knives.
*3. Describe knives commonly used in shoe repair.
*4. Demonstrate proper use of cutters.
*5. Demonstrate proper use of nippers.
6. Explain uses of a fudge wheel.
*7. Describe hammers used in shoe and boot repair.
8. Describe uses of a sewing awl.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

Objective 1: The student will list three reasons an assortment of knives is necessary.
*Objective 2: The student will demonstrate proper care for knives.
*Objective 3: The student will describe five knives commonly used in shoe repair.
*Objective 4: The student will demonstrate proper use of cutters.
*Objective 5: The student will demonstrate proper use of nippers.
Objective 6: The student will explain two uses of a fudge wheel.
*Objective 7: The student will describe hammers used in shoe and boot repair.
Objective 8: The student will explain two uses of a sewing awl.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____ 1. Listed reasons an assortment of knives is necessary.
____ *2. Demonstrated proper care for knives.
____ *3. Described knives commonly used in shoe repair.
____ *4. Demonstrated proper use of cutters.
____ *5. Demonstrated proper use of nippers.
____ 6. Explained uses of a fudge wheel.
____ *7. Described hammers used in shoe and boot repair.
____ 8. Explained uses of a sewing awl.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 6: Nails and Threads

Objectives: Upon completion of this unit, the student will:

*1. Describe types of nails used in shoe and boot repair.
*2. Identify most commonly used nail in shoe repair.
3. Describe necessary qualities of shoe threads.
4. Describe the main types of threads.
*5. List difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will describe five types of nails used in shoe and boot repair.
*Objective 2: The student will identify the most commonly used nail in shoe repair.
Objective 3: The student will describe three necessary qualities of shoe threads.
Objective 4: The student will describe the three main types of threads.
*Objective 5: The student will list three difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Described types of nails used in shoe and boot repair.
___*2. Identified the most commonly used nail in shoe repair.
___ 3. Described necessary qualities of shoe threads.

____4. Described the main types of threads.
____*5. Listed difficulties which may be encountered from using the wrong type of nails.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 7: Leather

Objectives: Upon completion of this unit, the student will:

*1. Define union tanning.
*2. Describe the method used to cut bends in leather.
*3. List reasons for working waxes into leather after dying.
4. Name ways of identifying the outer grains which have been scarred.
5. Explain how pelts are graded by weight.
*6. State ways of determining the correct weight for a shoe sole.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will define union tanning.
*Objective 2: The student will describe the method used to cut bends in leather.
*Objective 3: The student will list two reasons for working waxes into leather after dying.
Objective 4: The student will name three ways of identifying the outer grains which have been scarred.
Objective 5: The student will explain how pelts are graded by weight.
*Objective 6: The student will state two ways of determining the correct weight for a shoe sole.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Defined union tanning.
____*2. Described the method used to cut bends in leather.
____*3. Listed reasons for working waxes into leather after dying.
____ 4. Named ways of identifying the outer grains which have been scarred.
____ 5. Explained how pelts are graded by weight.
____*6. Stated ways of determining the correct weight for a shoe sole.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 8: Repairing Shoe and Boot Heels

Objectives: Upon completion of this unit, the student will:

*1. Explain the reasons for wooden heels in women's shoes.
2. State reason for cementing a combination heel before nailing.
*3. State the percentage of the old heel which should be removed when attaching a new rubber heel.
*4. Demonstrate the procedure to follow when combining rubber and leather heels.
*5. List factors which make a good solid-built heel.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will explain three reasons for wooden heels in women's shoes.
Objective 2: The student will state one reason for cementing a combination heel before nailing.
*Objective 3: The student will state the percentage of the old heel which should be removed when attaching a new rubber heel.
*Objective 4: The student will demonstrate the procedure to follow when combining rubber and leather heels.
*Objective 5: The student will list four factors which make a good solid-built heel.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Explained the reasons for wooden heels in women's shoes.
____ 2. Stated reason for cementing a combination heel before nailing.
____*3. Stated the percentage of the old heel which should be removed when attaching a new rubber heel.
____*4. Demonstrated the procedure to follow when combining rubber and leather heels.
____*5. Listed factors which make a good solid-built heel.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 9: Resoling Operations

Objectives: Upon completion of this unit, the student will:

*1. Join a welt.
*2. Repair an inner sole which is broken.
3. Name the seam which should be ripped on double sole shoes.
4. Describe the part of the cork filler which should remain when resoling.
*5. Fasten a loose shank.
*6. Trim ready-cut soles.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will join a welt according to industry standards.
*Objective 2: The student will repair an inner sole which is broken according to industry standards.
Objective 3: The student will name the seam which should be ripped on double sole shoes.
Objective 4: The student will describe the part of the cork filler which should remain when resoling.
*Objective 5: The student will fasten a loose shank according to industry standards.
*Objective 6: The student will trim ready-cut soles according to industry standards.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Joined a welt.
____*2. Repaired an inner sole which is broken.
____ 3. Named the seam which should be ripped on double sole shoes.
____ 4. Described the part of the cork filler which should remain when resoling.
____*5. Fastened a loose shank.
____*6. Trimmed ready-cut soles.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 10: Final Rescling Operations and Finishing

Objectives: Upon completion of this unit, the student will:

*1. List reasons for considering the rest of the shoe when resoling.
*2. Demonstrate methods of attaching soles.
3. List steps to follow when resoling rounded bottom shoes.
*4. Demonstrate steps to follow in the final trimming operation.
*5. Name items to check during the final inspection.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will list two reasons for considering the rest of the shoe when resoling.
*Objective 2: The student will demonstrate two methods of attaching soles.
Objective 3: The student will list three steps to follow when resoling rounded bottom shoes.
*Objective 4: The student will demonstrate five steps to follow in the final trimming operation.
*Objective 5: The student will name five items to check during the final inspection.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

___*1. Listed reasons for considering the rest of the shoe when resoling.

____*2. Demonstrated methods of attaching soles.
____ 3. Listed steps to follow when resoling rounded bottom shoes.
____*4. Demonstrated steps to follow in the final trimming operation.
____*5. Named items to check during the final inspection.

*Indicates core/essential objectives

COURSE: Shoe and Boot Repair II

Unit 11: Operation and Maintenance of Shoe Machinery

Objectives: Upon completion of this unit, the student will:

*1. Demonstrate safety rules to follow when operating machines.
2. State the types of materials sewn with the patch machine.
*3. List the steps to follow when operating the patch machine.
*4. List causes of a stalled machine.
*5. Describe method used to regulate stitch length.
*6. Demonstrate steps to follow when operating the straight-needle stitcher.
7. Demonstrate steps to follow when operating the curved-needle stitcher.

*Indicates core/essential objectives

Suggested Instructional Procedures:

Lecture - discussion
Laboratory demonstration and practice

Suggested Resources:

Primary Source: Karg, Henry. Shoe Repairing. Shoe Service Institute of America, U.S.A. 1975.

Secondary Source: Shoe Service Journal. Shoe Service Institute of America, North Brookfield, MA. 01535.

Evaluation and Suggested Minimum Performance Standards:

*Objective 1: The student will demonstrate twenty safety rules to follow when operating machines.
Objective 2: The student will state three types of materials sewn with the patch machine.
*Objective 3: The student will list three steps to follow when operating the patch machine.
*Objective 4: The student will list two causes of a stalled machine.
*Objective 5: The student will describe method used to regulate stitch length.
*Objective 6: The student will demonstrate four steps to follow when operating the straight-needle stitcher.
Objective 7: The student will demonstrate four steps to follow when operating the curved-needle stitcher.

*Indicates core/essential objectives

Performance Record: Place a check by each objective the student achieved:

____*1. Demonstrated safety rules to follow when operating machines.
____ 2. Stated the types of materials sewn with the patch machine.
____*3. Listed the steps to follow when operating the patch machine.
____*4. Listed causes of a stalled machine.
____*5. Described method used to regulate stitch length.
____*6. Demonstrated steps to follow when operating the straight-needle stitcher.
____ 7. Demonstrated steps to follow when operating the curved-needle stitcher.

*Indicates core/essential objectives

STUDENT PERFORMANCE RECORD

SHOE AND BOOT REPAIR

SHOE AND BOOT REPAIR I

Student: _____

This record is provided as an alternative to the student performance records at the end of each unit. It can be duplicated for each student and serve as a cumulative record of competencies achieved in the course.

Place a check by each objective the student achieved; you may wish to note the date that the student achieved the objective.

C = Core competencies

____ C1. Described personal characteristics of the shoe and boot repair person which are important.
____ C2. Listed general safety rules to practice with shoe and boot repair.
____ 3. Defined terms associated with shoe and boot repair.
____ C4. Demonstrated proper use of eye protection while in the shop area.
____ C5. Named types of lasts common to all shoe repair.
____ C6. Listed ways shoes are sized.
____ C7. Named parts of the upper.
____ 8. Listed styles of the upper.
____ C9. Named parts of shoes.
____ C10. Listed types of shoes.
____ 11. Described types of stitchdown shoes.
____ 12. Described types of moccasin shoes.
____ C13. Described styles of shoes.
____ 14. Explained proper daily care of shoes and boots.
____ C15. Demonstrated polishing methods.
____ C16. Listed steps to follow when dying shoes and boots.
____ C17. Oiled shoes and boots.
____ 18. Listed types of materials of which shoes and boots are made.
____ C19. Demonstrated proper cleaning practices to follow with each type of shoe material.
____ 20. Listed reasons an assortment of knives is necessary.
____ C21. Demonstrated proper care for knives.
____ C22. Named knives commonly used in shoe repair.
____ C23. Explained uses of knives in shoe repair.
____ C24. Stated differences in cutters and nippers.
____ C25. Demonstrated proper uses of a fudge wheel.

____ 26. Described the hammer which is best suited for general purposes.
____ 27. Explained uses of a sewing awl.
____ C28. Stated types of nails used in shoe and boot repair.
____ C29. Listed uses of nails.
____ 30. Described necessary qualities of shoe threads.
____ C31. Named the main types of threads.
____ 32. Listed difficulties which may be encountered from using the wrong type of nails.
____ C33. Listed steps in preparing hides for tanning.
____ 34. Listed uses of split layers of leather.
____ C35. Stated terms used to identify types of leather.
____ C36. Identified grades of leather.
____ 37. Stated reasons for using chrome-tanned leather for uppers.
____ C38. Listed parts of the shoe and stated type of leather which is best suited for each part.
____ 39. Described the uses of sheepskin.
____ C40. Identified types of heels.
____ C41. Described parts of heels.
____ 42. Explained methods used to size heels.
____ C43. Demonstrated steps to follow when replacing women's heels.
____ C44. Demonstrated steps to follow when replacing men's heels.
____ C45. Described steps to follow when finishing heels.
____ 46. Listed difficulties most often encountered when replacing heels.
____ C47. Described half soles.
____ C48. Described full soles.
____ C49. Listed factors to consider when choosing material for a new sole.
____ C50. Demonstrated steps to follow when removing old sole.
____ 51. Stated how length of sole is determined.
____ C52. Described how sole angle is determined.
____ 53. Listed worn parts which may be repaired.
____ C54. Demonstrated methods of attaching soles.
____ C55. Demonstrated steps to follow when lining heels.
____ C56. Named types of patches.
____ C57. Demonstrated steps to follow when sewing rips.
____ C58. Described ways in which shoes may be stretched.
____ 59. Described technique of removing squeaks from shoes.
____ C60. Listed types of heel plates.
____ 61. Demonstrated steps to follow when applying surface
____ C62. Listed uses of curved-needle machine.

____C63. Threaded the patching machine.
____ 64. Stated the direction in which the patching machine sews.
____C65. Identified causes of broken needles.
____C66. Described uses of bench machines.
____ 67. Reloaded the metallic fastener machine with wire.
____C68. Identified causes of broken thread.
____C69. Demonstrated safety rules to follow when operating the finishing machine.
____ 70. Named bones in the foot.
____C72. Named areas of foot mesurement.
____C73. Described foot irregularities.
____C74. Identified type of shoe alteration needed for each type of foot irregularity.
____ 75. Identified who should decide whether a shoe alteration is needed.
____C76. Listed factors of success in the shoe repair business.
____ 77. Stated appropriate shop hours.
____C78. Identified proper method for receiving shoes.
____C79. Described desirable personality traits of the successful shoe repairperson.
____C80. Listed reasons for shop cleanliness.
____ 81. Described appropriate ways of competing with competitors.
____C82. Listed reasons for thorough bookkeeping practices.

SHOE AND BOOT REPAIR II

Student: _____

This record is provided as an alternative to the student performance records at the end of each unit. It can be duplicated for each student and serve as a cumulative record of competencies achieved in the course.

Place a check by each objective the student achieved; you may wish to note the date that the student achieved the objective.

C = Core competencies

____ C1. Stated major historical events related to shoe and boot repair.
____ C2. Demonstrated general safety rules to practice with shoe and boot repair.
____ 3. Defined terms associated with shoe and boot repair.
____ 4. Named types of lasts common to all shoe repair.
____ C5. Demonstrated ways shoes are sized.
____ C6. Named parts of the upper.
____ C7. Listed styles of the upper.
____ C8. Named parts of boots.
____ C9. Listed types of boots.
____ 10. Identified types of stitchdown shoes.
____ 11. Described types of moccasin shoes.
____ C12. Described styles of boots.
____ 13. Explained proper daily care of shoes and boots.
____ C14. Demonstrated polishing methods.
____ C15. Demonstrated steps to follow when dying shoes and boots.
____ C16. Listed steps to follow when oiling shoes and boots.
____ 17. Listed types of materials of which shoes and boots are made.
____ 18. Listed reasons an assortment of knives is necessary.
____ C19. Demonstrated proper care for knives.
____ C20. Described knives commonly used in shoe repair.
____ C21. Demonstrated proper use of cutters.
____ C22. Demonstrated proper use of nippers.
____ 23. Explained uses of a fudge wheel.
____ C24. Described hammers used in shoe and boot repair.
____ 25. Explained uses of a sewing awl.
____ C26. Described types of nails used in shoe and boot repair.

____C27. Identified the most commonly used nail in shoe repair.
____ 28. Described necessary qualities of shoe threads.
____ 29. Described the main types of threads.
____C30. Listed difficulties which may be encountered from using the wrong type of nails.
____C31. Defined union tanning.
____C32. Described the method used to cut bends in leather.
____C33. Listed reasons for working waxes into leather after dying.
____ 34. Named ways of identifying the outer grains which have been scarred.
____ 35. Explained how pelts are graded by weight.
____C36. Stated ways of determining the correct weight for a shoe sole.
____C37. Explained the reasons for wooden heels in women's shoes.
____ 38. Stated reason for cementing a combination heel before nailing.
____C39. Stated the percentage of the old heel which should be removed when attaching a new rubber heel.
____C40. Demonstrated the procedure to follow when combining rubber and leather heels.
____C41. Listed factors which make a good solid-built heel.
____C42. Joined a welt.
____C43. Repaired an inner sole which is broken.
____ 44. Named the seam which should be ripped on double sole shoes.
____ 45. Described the part of the cork filler which should remain when resoling.
____C46. Fastened a loose shank.
____C47. Trimmed ready-cut soles.
____C48. Listed reasons for considering the rest of the shoe when resoling.
____C49. Demonstrated methods of attaching soles.
____ 50. Listed steps to follow when resoling rounded bottom shoes.
____C51. Demonstrated steps to follow in the final trimming operation.
____C52. Named items to check during the final inspection.
____C53. Demonstrated safety rules to follow when operating machines.
____ 54. Stated the types of materials sewn with the patch machine.
____C55. Listed the steps to follow when operating the patch machine.
____C56. Listed causes of a stalled machine.
____C57. Described method used to regulate stitch length.

____C58. Demonstrated steps to follow when operating the straight-needle stitcher.

____ 59. Demonstrated steps to follow when operating the curved-needle stitcher.